



# **Emerge<sup>®</sup> DA1200P 1x2 PC/VGA Distribution Amplifier**

## **User/Installer Guide**

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## **1.0 INTRODUCTION**

Thanks for purchasing this DA1200P PC/VGA Distribution Amplifier from Avocent. The DA1200P VGA D.A. is designed to handle standard RGBHV computer type signals. Model DA1200P provides 2 outputs from a single input. Additional outputs can be provided by cascading additional amplifiers.

## **FEATURES**

The DA1200P Distribution Amplifier has many features that enable it to perform in a superior manner. Among those features you will find:

- 500+ MHz Bandwidth
- Supports Resolutions up to 2560x1600
- Output Range up to 300 feet
- Locking DC Power Connector
- Supports DDC, DDC2, DDC2B (Output 1 Only)
- Amplifiers may be cascaded
- Rugged Metal Housing
- Ultra Compact Size

## 2.0 SPECIFICATIONS

### General

<b>Function</b>	<b>DA1200P</b>
Voltage Requirement	5 VDC
Current Requirement	2A
Input Connector (HD-15 Female)	1x
Output Connectors (HD-15 Female)	2x
Maximum Resolution	2560x1600 @ 60Hz
Signal Bandwidth	500+ MHz
Weight (Amplifier Only)	400 g 14.1 oz
Dimensions (H-W-D)	43mm x160mm x 58mm 1.7"x6.3"x2.3"

### INPUT/OUTPUT SIGNALS

Pin #	Signal
1	Red video
2	Green video
3	Blue video
4	ID2
5	Ground
6	Analog Ground
7	Analog Ground
8	Analog Ground

Pin #	Signal
9	NC
10	Ground
11	NC
12	DDC SDA
13	Horizontal Sync
14	Vertical Sync
15	DDC SCL

### **3.0 CHECKING PACKAGE CONTENTS**

Before attempting to use this unit, please check the packaging and make certain the following items are contained in the shipping carton:

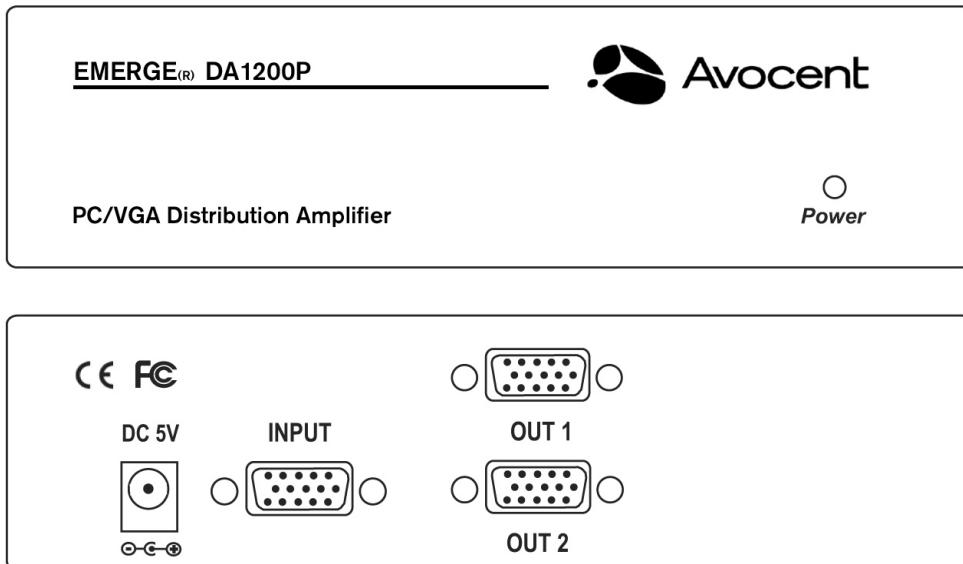
- 1x Distribution Amplifier
- 1x Power Adapter with 5VDC Output
- 1x User Manual

*Note: Please retain the original packing material should the need ever arise to return the unit. If you find any items are missing, contact your reseller or Avocent immediately. Have the Model Number, Serial Number and Invoice available for reference when you call.*

### **4.0 CONNECTING THE HARDWARE**

The front of the device has a single LED that indicates when power is applied and the rear panel has the power connection, input connection and two output connections.

Please take a moment to familiarize yourself with the location of the various signal connectors and the power input connector. Make certain you connect only the supplied power adaptor to the device as serious damage can result by using improper voltages.



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## **5.0 OPERATING THE UNIT**

### **5.1 Connect the Unit as follows:**

1. Turn off power to source device (such as PC) and to all display devices (such as monitors).
2. Connect the output of the source device to the amplifier's input with the HD-15 cable provided.
3. Connect the input of the display devices to the output connectors of the amplifier with high quality HD-15 cables, up to 300 feet in length.
4. Plug the DC connector from the 5VDC power adapter provided into the amplifier. Twist the DC connector after inserting it to lock it in place.
5. Plug the power adapter into an AC outlet.
6. Turn on power to the source and display devices.

*Note: If you connect a DDC (Plug-and-Play) monitor to output 1 of the amplifier, all the other display devices must be able to support the same resolutions as the DDC monitor.*

### **5.2 CASCADING**

To display the same image on more monitors than available amplifier outputs permit, you may cascade additional amplifiers. Connect the input of the additional amplifier with an HD-15 cable to an output of the original amplifier.

**Caution - Signal degradation may occur if too many amplifiers are cascaded.**

## **6.0 TROUBLESHOOTING**

Problems with the DA1200P amplifier are rare. Most of the time, the problem is caused by the use of an incorrect cable for the signal type, to long a cable run, bad connectors on the cable and occasionally damaged cables. Bad grounds or use of different AC power sources for the DA1200P amplifier, source and/or display device(s) may also cause problems due to ground loops.

After trying the above suggestions should the problem still persist, contact your dealer for additional suggestions before contacting Avocent. Should the dealer's technical personnel be unable to assist you, contact Avocent via our support website: <http://support.avocent.com>. Create a technical support request on the site and our support team will respond within a short period of time.

## **7.0 REGULATORY COMPLIANCE**

### European 'CE' Mark Statement

Emissions: EN 55022:1998+A1:2000+A2:2003 ( Information technology equipment. Radio disturbance characteristics. Limits and methods of measurement)

EN 61000-3-2:2000+A1:2001+A2:2005 (Limits for Harmonic Currents Emissions)

EN 61000-3-3:2000+A1:2001+A2:2005 (Limitation of voltage fluctuations and flicker in low-voltage supply systems)

Immunity: EN55024:1998+A1:2001+A2:2003 (Information technology equipment. Immunity characteristics. Limits and methods of measurement)

### FCC Statement

Class A Device: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide a reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the Instruction Manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Caution: This equipment is intended for use in the manner prescribed in the Instruction Manual. Any user changes or modifications not expressly approved by Avocent Corporation could void the user's authority to operate the equipment.

Connecting this equipment to external devices requires no specially shielded cabling for FCC compliance. The Instruction Manual shows or describes the proper connection of this equipment for operation that insures FCC compliance.

Direct all inquiries regarding FCC compliance to:

Avocent Corporation  
4991 Corporate Dr.  
Huntsville, AL 35805

## **9.0 CONTACT INFORMATION**

Should you have questions or require assistance with this product in areas not covered by this manual, please contact Avocent at the appropriate location shown below:

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